

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L5 | 5 | ("5616996" "5736797" "5866998" "5943214" "6031316").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/17 15:33 |
| L6 | 97 | (sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5 and voltage not (zero adj cross\$4 or zero-cross\$4) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 15:39 |
| L7 | 25 | (US-20060044664-\$ or US-20050258788-\$ or US-20050189892-\$ or US-20050067986-\$ or US-20040131342-\$ or US-20040080293-\$ or US-20040056628-\$ or US-20040183490-\$ or US-20020121870-\$).did. or (US-6462491-\$ or US-6979970-\$ or US-6946808-\$ or US-6922032-\$ or US-6900604-\$ or US-6771033-\$ or US-6680590-\$ or US-5943214-\$ or US-6122131-\$ or US-6111372-\$ or US-6064175-\$ or US-5777449-\$ or US-5689159-\$ or US-5166583-\$). did. or (EP-840439-\$ or EP-730341-\$).did. | US-PGPUB; USPAT; EPO | OR | ON | 2006/03/17 16:18 |
| L14 | 23 | (US-20060044664-\$ or US-20050258788-\$ or US-20050189892-\$ or US-20050067986-\$ or US-20040131342-\$ or US-20040080293-\$ or US-20040056628-\$ or US-20040183490-\$ or US-20020121870-\$).did. or (US-6462491-\$ or US-6979970-\$ or US-6946808-\$ or US-6922032-\$ or US-6900604-\$ or US-6771033-\$ or US-6680590-\$ or US-5943214-\$ or US-6122131-\$ or US-6111372-\$ or US-6064175-\$ or US-5777449-\$ or US-5689159-\$ or US-5166583-\$). did. or (EP-840439-\$ or EP-730341-\$).did. and (zero adj cross\$5 or zero-cross\$5) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 16:17 |
| L15 | 4 | (EP-840439-\$ or EP-730341-\$).did. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/03/17 16:25 |

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|-----|------|------------------------------|---|----|----|------------------|
| L16 | 1 | "2001178183" | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/03/17 16:28 |
| L19 | 3 | "2000069792" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:30 |
| L20 | 3 | "2001095294" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:31 |
| L21 | 2 | "2000232800" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:31 |
| L22 | 0 | "8186995" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:32 |
| L23 | 2 | "08186995" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:33 |
| L24 | 3 | "01103194" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/17 16:33 |
| L25 | 2 | ("6515443" or "6906485").pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 17:35 |
| L26 | 4792 | 318/254.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 17:55 |
| L27 | 1489 | 318/439.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 17:55 |
| L28 | 390 | 318/721.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 17:57 |
| L29 | 1 | "6901212".pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 18:03 |
| L30 | 1 | "5869944".pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 18:03 |

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|----|------|---|---------------------------------|----|----|------------------|
| S1 | 151 | ("5569995" "5608300" "5998946" "6229663" "4355268" "4780651" "4977507" "5017845" "5239719" "5576536" "5687612" "5690580" "5907225" "6118247" "4292572" "4309643" "4370690" "4389923" "4396876" "4420716" "4467250" "4510423" "4594878" "4633154" "4788526" "4842476" "4843296" "4885655" "4890277" "4894652" "4900993" "4947088" "5206567" "5218253" "5218491" "5260811" "5287026" "5298839" "5420664" "5475465" "5491393" "5521475" "5589722" "5623190" "5625269" "5631487" "5660077" "5689483" "5689181" "5752209").pn. ("5757152" "5760572" "5801504" "5818184" "5821723" "5869944" "5895100" "5926347" "5942865" "5969496" "5973469" "5984042" "5990643" "5990642" "6009362" "6023140" "6041163" "6043618" "6050393" "6091221" "6098594" "6142899" "6163118" "6169381" "6191545" "6194865" "6204636" "6220045" "6220045" "6236172" "6335572" "6384555" "6396225" "6401690" "6427100" "6462491" "6465974" "6469463" "6478571" "6483266" "6496319" "6543416" "6552505" "6570351" "6624602" "6642681" "6661598" "6684850" "6703807" "6715301").pn. ("6922302" "6937429" "6998815" "7004018" "7005819" "7006413" "4549126" "5208522" "5721474" "5726543" "6013994" "4465351" "4513231" "4760320" "4998865" "5209315" "5259261" "5367235" "5384522" "5471122" "5540269" "5552682" "5625264" "5644202" "5646464" "5703451" "5717299" "5734244" "5838128" "5857537" "5892340" "5954108" "6021097" "6064175" "6107763" "6129166" "3705775" "3691858" "4012674" "4167988" "4119899" "4249219" "4258638" "4276504" "4276824" "4278337" "4289342" "4305026" "4327654" "4344023").pn. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 10:46 |
| S2 | 2736 | (back adj electromotive or BEMF) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 10:55 |

EAST Search History

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|----|-----|---|---------------------------------|----|----|------------------|
| S3 | 59 | (back adj electromotive or BEMF) and phase adj error | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 10:56 |
| S4 | 2 | S1 and S3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 12:12 |
| S5 | 117 | (sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and comparator | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 12:13 |
| S6 | 197 | (sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 12:14 |
| S7 | 195 | (sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5 and voltage | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/03/17 15:38 |